

# SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service  
Washington, DC



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

NE-06-72  
September 29, 2006

<http://www.faa.gov/aircraft/safety/alerts/SAIB>

*This is information only. Recommendations aren't mandatory.*

## Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts you, owners, operators, Repair Stations, and Principal Maintenance Inspectors in FAA's FSDOs, that we have determined there are inadequate aircraft instrumentation markings, which aren't fully compliant with FAA regulations for use as primary instruments. The Instrumentation is from **Insight Instrument Corporation- Graphic Engine Monitors (G.E.M.)** models (listed below) installed via Supplemental Type Certificate (STC) SA01860NY, dated April 19, 2004.

**Table 1 - Affected Products**

Manufacturer	Model / P/N
Insight Instrumentation Corporation	GEM-610 / P/N 601-001 Mod "C"
	GEMINI 1200 / P/N 1200-001 Mod "C"

## Background

The subject instruments installed via STC SA01860NY aren't marked in accordance with 14 CFR Part 23, § 23.1549 requirements for primary instruments as follows:

Instrument – Range/Limit	Isn't marked with...
normal operating range	green arc or green line
takeoff and precautionary range	yellow arc or yellow line
maximum safe operating limit	red radial or red line

The lack of adequate markings required of primary instruments may result in operating the aircraft engine(s) outside of their type-certificated limits, which may result in an unsafe condition.

## Recommendations

We recommend you inspect the aircraft log book and/or instrumentation package to determine if the instrumentation is from Insight Instrument Corporation-Graph Engine Monitor (G.E.M.) Model GEM 610 or GEMINI 1200 installed via Supplemental Type Certificate (STC) SA01860NY dated April 19, 2004. **If so, we don't authorize their usage as primary instruments.**

**We have amended STC SA01860NY, dated May 31, 2006**, for instruments GEM 610, P/N 610-001 Mod "D" and GEMINI 1200, P/N 1200-001 Mod "D", which are fully compliant with FAA regulations and must be used as primary engine instruments. This STC is available from our Regulatory and Guidance Library (RGL) on the internet at: [www.faa.gov](http://www.faa.gov)

We urge you to contact Insight Instrument Corp for additional information if you are a customer with non-compliant instrumentation (see table 1).

## For Service Information Contact

Insight Instrument Corp, Customer Support,  
Box 122, Fort Erie, Ontario, Canada L2A 5M6;  
phone: (905) 871-0733; fax: (905)-871-5460.

## For Further Information Contact

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